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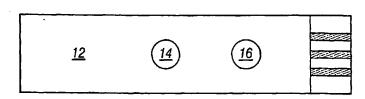
English

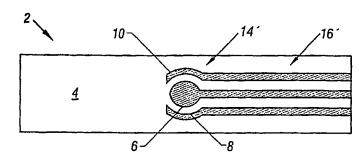
- (30) Priority Data: 60/167,409 24 November 1999 (24.11.1999) US
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- (72) Inventor: ZHANG, Honghua; 12865 Caminito Diego, San Diego, CA 92130 (US).

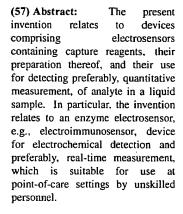
- (74) Agents: CHEN, Peng et al.; Morrison & Foerster LLP, Suite 500, 3811 Valley Centre Drive, San Diego, CA 92130-2332 (US).
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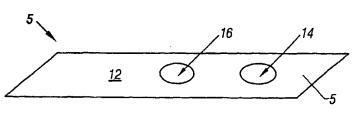
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(54) Title: DEVICES AND METHODS FOR DETECTING ANALYTES USING ELECTROSENSOR HAVING CAPTURE REAGENT









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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Inter onal Application No

		1	S 00/29748
A. CLASS IPC 7	SIFICATION OF SUBJECT MATTER G01N33/543		
	to International Patent Classification (IPC) or to both national classificatio	ication and IPC	
	ocumentation searched (classification system followed by classification sy	ation symbols)	
170 /	GOIN CIZQ		
Documenta	ation searched other than minimum documentation to the extent that	t such documents are included in the fi	elds searched
Electronic o	data base consulted during the international search (name of data b	ase and, where practical, search terms	s used)
EPO-Ir	nternal, WPI Data, PAJ, BIOSIS		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	· · · · · · · · · · · · · · · · · · ·	
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.
X	US 5 830 680 A (DUAN CHUANMING 3 November 1998 (1998-11-03) cited in the application	ET AL)	1-15,33, 35-38, 40, 44-46, 51-56, 58-70
	the whole document		
X	EP 0 153 875 A (VICTORIA STATE) 4 September 1985 (1985-09-04) claims 1,5		1-15,33, 35-38, 40, 44-46, 51-56, 58-70
		-/	
X Furth	ner documents are listed in the continuation of box C.	X Patent family members are I	isted in annex.
° Special cat	tegories of cited documents :	"T" later document published after the	international filing date
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date		or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention	
"L" documer which is citation "O" docume other m" "P" docume	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another or other special reason (as specified) the referring to an oral disclosure, use, exhibition or the ans nt published prior to the international filing date but	cannot be considered novel or c involve an inventive step when it "Y" document of particular relevance; cannot be considered to involve document is combined with one ments, such combination being of in the art.	the document is taken alone the claimed invention an inventive step when the or more other such docu- bovious to a person skilled
	an the priority date claimed ctual completion of the international search	"&" document member of the same particle. Date of mailing of the international	·
21 August 2001		03	12. 2001
Name and m	ailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	· · · · · · · · · · · · · · · · · · ·
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Pellegrini, P	

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Inter: 'onal Application No PC:/US 00/29748

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT						
	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.				
X	WO 98 52042 A (KEENSENSE INC ;KEEN RANDY E (US)) 19 November 1998 (1998-11-19)		1-15,33, 35-38, 40, 44-46, 51-56, 58-70			
	example B		30 70			
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national application No. PCT/US 00/29748

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
A. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: see further information sheet invention 1
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-7 (in part), 8-9, 10-15 (in part), 33 (in part), 35-38 (in part), 40 (in part), 44-46 (in part), 51-56 (in part), 58-69, 70 (in part)

Claims 1-7 (in part), 8-9, 10-15 (in part), 33 (in part), 35-38 (in part), 40 (in part), 44-46 (in part), 51-56 (in part), 58-69, 70 (in part) disclose an electrosensor device for detecting an analyte in a liquid, wherein the capture reagent is immobilized on the working electrode via a buffered organic solution containing a ketone or an aliphatic alcohol.

2. Claims: 1-7 (in part), 10-15 (in part), 16-32, 33 (in part), 34, 35-38 (in part), 39, 40 (in part), 41-43, 44-46 (in part), 47-50, 51-56 (in part), 57, 70 (in part), 71-74

Claims 1-7 (in part), 10-15 (in part), 16-32, 33 (in part), 34, 35-38 (in part), 39, 40 (in part), 41-43, 44-46 (in part), 47-50, 51-56 (in part), 57, 70 (in part), 71-74 disclose an electrosensor device for detecting an analyte, comprising a working electrode with a capture reagent immobilized thereupon, a sample application zone and a wicking member.

iformation on patent family members

Inter 'onal Application No
PC I / US 00/29748

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